

WHAT IS CLAIMED IS:

1. A method for controlling printing of print jobs in a printing device, said print jobs residing in a print queue for sequential printing, comprising:
 - in response to a first signal received at said printing device, interrupting printing of a current print job in said print queue upon reaching a boundary location;
 - storing an indicator associated with said interrupted print job;
 - storing identifiers of said print jobs in said print queue in a memory of the printing device;
 - selecting from said memory at least one of said identifiers corresponding to another print job and printing said selected print job; and
 - in response to a second signal, resuming printing of the previously interrupted print job according to said indicator.
2. The method of claim 1, wherein said storing an indicator associated with said interrupted print job comprises storing an indicator of the boundary location at which the current print job was interrupted.
3. The method of claim 2, wherein printing of said interrupted print job is resumed at said boundary location.
4. The method of claim 3, wherein said boundary location is a page boundary.
5. The method of claim 1, wherein at least one of said first signal and said second signal is caused by a user operating a control on the printing device.

6. The method of claim 1, wherein at least one of said first signal and said second signal is caused by a user operating a control on a peripheral device in operable communication with said printing device.

7. The method of claim 6, wherein said peripheral device is a host computer having a web browser in operable communication with a web server in said printing device over a communication network, to provide user control for generating at least one of said first signal and said second signal.

8. The method of claim 1, further comprising verifying an authorization of a user requesting interruption of the current print job prior to said interruption of printing.

9. The method of claim 1, wherein said storing identifiers of said print jobs in said print queue in a memory of the printing device comprises storing one or more of: user name requesting said print job, host device, and print job name.

10. A printing device for carrying out print jobs, comprising:
storage means for storing print jobs in the printing device for sequential printing;
means for selecting one of a first mode of operation and a second mode of operation of said printing device;
means responsive to selection of said second mode of operation for determining a boundary location associated with a current print job for printing and for interrupting printing of said current print job upon reaching said boundary location;

means for storing an indicator of said boundary location associated with said interrupted print job;

means for selecting and printing another one of the print jobs in said storage means; and

means responsive to de-selection of said second mode of operation for resuming printing of the interrupted print job according to said indicator.

11. The device of claim 10, wherein said boundary location is a page boundary.

12. The device of claim 10, wherein said means for selecting one of said first mode of operation and second mode of operation comprises a user-operated control disposed on said printing device.

13. The device of claim 10, wherein said means for selecting one of said first mode of operation and second mode of operation comprises a user-operated control disposed remote from said printing device and in operable communication with said printing device over a communications network.

14. The device of claim 13, wherein said user-operated control comprises one or more user selectable options on a display of a host computer having a web browser in operable communication with a web server of said printing device to provide said user control.

15. The device of claim 10, further comprising means for verifying an authorization of a user requesting interruption of the current print job prior to said interruption of printing.

16. A method for controlling printing of print jobs in a printing device, said print jobs residing in a print queue for sequential printing, comprising:

sensing a request from a user to interrupt printing of a current print job;

determining a page boundary location associated with the current print job being printed and interrupting printing of the current print job upon reaching the page boundary;

storing an indicator of the page boundary at which the current print job was interrupted;

storing an identifier of each print job in said print queue in a memory of the printing device;

retrieving a user-selected identifier from said memory corresponding to another one of the print jobs in said print queue and printing said another print job;

sensing a request from a user to resume printing of said interrupted print job; and

retrieving said indicator of said page boundary and resuming printing of the previously interrupted print job at the page boundary at which the job was interrupted, whereby upon completion of printing said previously interrupted print job, remaining print jobs residing in said print queue are printed in sequential order.

17. The method of claim 16, further comprising providing a user-operated control on the printing device for causing a request to be transmitted to interrupt printing of a current print job.

18. The method of claim 16, further comprising providing a user-operated control on a host device coupled to the printing device for causing a request to be transmitted from the host device to interrupt printing of a current print job.

19. A computer readable medium encoded with computer-executable instructions for controlling operation of a processor of a printing device to cause the processor to perform a method comprising:

in response to a first signal received at said printing device, interrupting printing of a current print job in said print queue upon reaching a boundary location;

storing an indicator associated with said interrupted print job;

storing identifiers of said print jobs in said print queue in a memory of the printing device;

selecting from said memory at least one of said identifiers corresponding to another print job selected for printing and printing said selected print job; and

in response to a second signal, resuming printing of the previously interrupted print job according to said indicator.

20. The computer readable medium of claim 19, wherein said computer-executable instructions further control operation of said processor for determining said boundary location and storing an indicator of the boundary location at which the current print job was interrupted.

21. The computer readable medium of claim 20, wherein said computer-executable instructions further control operation of said processor for resuming printing of said interrupted print job at said boundary location.

22. The computer readable medium of claim 21, wherein said boundary location is a page boundary.

23. The computer readable medium of claim 19, wherein at least one of said first signal and said second signal is caused by a user operating a control on the printing device.

24. The computer readable medium of claim 19, wherein at least one of said first signal and said second signal is caused by a user operating a control on a peripheral device in operable communication with said printing device.

25. The computer readable medium of claim 24, wherein said peripheral device is a host computer having a web browser in operable communication with a web server in said printing device over a communication network, to provide user control for generating at least one of said first signal and said second signal.

26. The computer readable medium of claim 19, wherein said computer-executable instructions further control operation of said processor for verifying an authorization of a user requesting interruption of the current print job prior to said interruption of printing.

27. The computer readable medium of claim 19, wherein said computer-executable instructions further control operation of said processor for storing identifiers of said print jobs in said print queue in memory comprising storing one or more of user name requesting said print job, host device, and print job name.

28. A printing device for carrying out print jobs, comprising:
- a print queue for storing print jobs in said printing device for sequential printing;
 - a user interface operable for selecting one of a first mode of operation and a second mode of operation of said printing device;
 - a processor responsive to user selection of said second mode of operation for determining a boundary location associated with a current print job for printing and for interrupting printing of said current print job upon reaching said boundary location;
 - memory for storing an indicator of said boundary location associated with said interrupted print job;
- wherein said processor causes said print jobs in said print queue to be stored in a memory location accessible using the user interface for enabling user selection and initiation of printing of another one of the print jobs in the print queue, and wherein, in response to de-selection of the second mode of operation at said user interface, said processor operates to resume printing of the interrupted print job according to said indicator.
29. The device of claim 28, wherein said boundary location is a page boundary.
30. The device of claim 28, wherein said user interface comprises a user-operated control panel disposed on said printing device.
31. The device of claim 28, wherein said user interface comprises a user-operated control panel disposed remote from said printing device and in operable communication with said printing device over a communications network.

32. The device of claim 31, wherein said user-operated control panel comprises one or more user selectable options on a display of a host computer having a web browser in operable communication with a web server of said printing device to provide said user control.

33. The device of claim 28, wherein said user interface further includes a control input for enabling a user to enter a code for verifying an authorization of said user requesting interruption of the current print job prior to said interruption of printing.